

# Anti-Rituximab Antibody (17B6)[Biotin], mAb, Mouse

Cat. No.: A01971

## Overview

<b>Specificity</b>	The product is specific for Rituximab. The antibody is recommended as a detection antibody in a pharmacokinetic (PK) bridging assay with capture antibody GenScript, A01969-40, Anti-Rituximab Antibody (6C1), mAb, Mouse.
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Rituximab
<b>Conjugate</b>	Biotin

## Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product

<b>Application</b>	<b>Recommended Usage</b>
ELISA	0.01-0.1 µg/ml
Sandwich ELISA	A01969 (C)-A01971 (D)

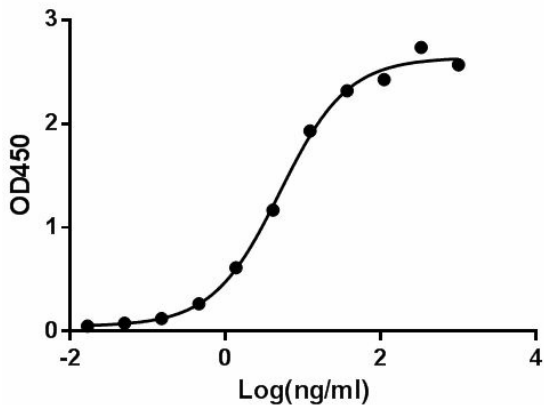
## Properties

<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	lyophilized with PBS, pH 7.4, containing 1% BSA and 0.02% sodium azide.
<b>Reconstitution</b>	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.

<b>Storage Instructions</b>	The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid freeze/thaw cycles.
<b>Purification</b>	Protein A affinity column
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	17B6
<b>Note</b>	GenScript can customize this product per customer's request including product size, buffer components, etc.

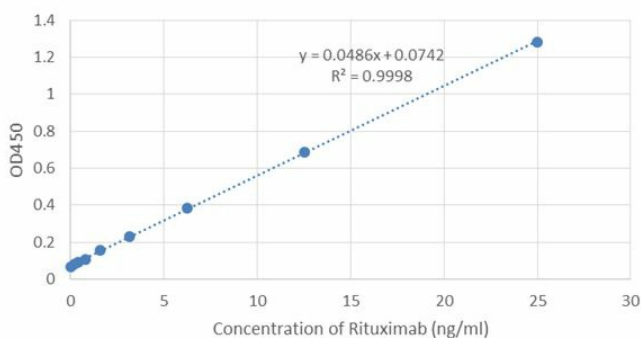
## Examples

### Biotin conjugated Anti-Rituximab Antibody (17B6) binds with Rituximab



ELISA binding of Anti-Rituximab Antibody (17B6) [Biotin] (GenScript, A01971-40) with Rituximab. While the antibody does not recognize the human IgG (data not shown). Coating antigen: Rituximab, 1 µg/ml. Anti-Rituximab Antibody (17B6) (GenScript, A01971-40) dilutions start from 2,000 ng/ml.  $EC_{50} = 5.075$  ng/ml.

### Standard curve of Rituximab Sandwich ELISA



Standard curve of Rituximab Sandwich ELISA. The Rituximab Sandwich ELISA assay is developed by using Anti-Rituximab Antibody (6C1), mAb, Mouse (GenScript, A01969-40) and Anti-Rituximab Antibody (17B6), mAb, Mouse (GenScript, A01971-40) as the capture and detection antibodies, respectively. The sensitivity is less than 1 ng/ml.

## Background

**Target Background :** Rituximab (Rituxan) is a humanized monoclonal antibody that is approved by the U.S. Food and Drug Administration for the treatment of hematological cancers and autoimmune diseases. When Rituximab binds to CD20 on the surface of normal and malignant B cells, natural killer (NK) cells is activated to destroy these B cells. It is therefore used to treat diseases with too many B cells, overactive B cells, or dysfunctional B cells. Anti-Rituximab Antibody (17B6), mAb, Mouse is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a mouse immunized with Rituximab.

**Synonyms :** Mouse monoclonal to Rituxan

**For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.**